

ABSTRACT OF THE DISCLOSURE

A method of phosphorous reduction in stormwater runoff using iron humate, such as in the form of a filter, a layered filter bed, a stacked wall or a liner.

5 The stormwater (fluid) runoff is sent to a fluid retention area such as a retention pond, wetland reservoir or the like where the runoff is filtered through iron humate. While the runoff is filtered, the iron humate absorbs or chemically retains the
10 phosphorous in the runoff to produce filtered runoff with a reduced level of phosphorous. In an alternate embodiment, the runoff can be pumped from a retention pond into a iron humate filter where the runoff is filtered. In another alternate embodiment, the iron
15 humate filter may be placed in a trench below ground to intercept and filter groundwater flows.